

## ABSTRACT OF THE DISCLOSURE

A process for manufacturing a thermoplastic article which comprises the steps of:

- 5 a) extruding one or more thermoplastic resins, with a gas, through a screw and then a gate so as to form a partially soft parison;
- b) and then positioning said parison within a cavity which has a shape which is complementary to the shape of the outer surface of said thermoplastic article;
- 10 c) and then blow molding said parison onto the cavity to form said thermoplastic article, and cooling said cavity so as to obtain any desired orientation of polymer molecules within one or more thermoplastic layers of the wall of said thermoplastic article.